BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements to Roads, drains and other works at Raghuram Layout in Ward No. 11(Kuvempunagara), Vidyaranyapura Sub Division.

Name of Agency: Executive engineer, Karnataka Rural Infrastructure Development Limited, # 280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajainagara, Bangalore - 10.

Estimated Cost: 27,00,000.00

Approved Amount : Rs. 26,99,355.00

Work Order No. BBMP/EE/BTP/WO/144/2017-18 Dated: 26.03.2018.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be	Cum	172.80	199.36	34449.41	172.80	199.36	34449.41	97.97	97.97	199.36	19531.30	0.00	0.00	0.00	19531.30	14918.11		
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm	596.70	80.56	48070.15	596.70	80.56	48070.15	893.70	745.88	80.56	60088.09	147.82	80.56	11908.38	71996.47		23926.32	
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications and directions of engineer in charge of the	Sqm	184.98	665.68	123137.49	184.98	665.68	123137.49	32.52	32.52	665.68	21647.91	0.00	0.00	0.00	21647.91	101489.57		
4	Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand	Cum	40.23	2240.84	90148.99	40.23	2240.84	90148.99	0.00	0.00	2240.84	0.00	0.00	0.00	0.00	0.00	90148.99		
5	Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff including cost of all labour charges etc	Sqm	324.00	26.50	8586.00	324.00	26.50	8586.00	324.00	324.00	26.50	8586.00	0.00	0.00	0.00	8586.00	0.00		
6	Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of	Cum	48.60	1665.26	80931.64	48.60	1665.26	80931.64	48.60	48.60	1665.26	80931.64	0.00	0.00	0.00	80931.64	0.00		
7	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum	Cum	87.57	5159.02	451775.38	87.57	5159.02	451775.38	95.22	95.22	5159.02	491241.88	0.00	0.00	0.00	491241.88		39466.50	
8	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any	Cum	40.50	5508.82	223107.21	40.50	5508.82	223107.21	40.50	40.50	5508.82	223107.21	0.00	0.00	0.00	223107.21	0.00		
9	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works	Cum	28.35	6231.74	176669.83	28.35	6231.74	176669.83	0.00	0.00	6231.74	0.00	0.00	0.00	0.00	0.00	176669.83		

L. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
10	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface** such as walls at any thickness, including	Sqm	216.00	310.58	67085.28	216.00	310.58	67085.28	0.00	0.00	310.58	0.00	0.00	0.00	0.00	0.00	67085.28		
11	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with	Tonne	1.70	64243.42	109213.81	1.70	64243.42	109213.81	0.00	0.00	64243.42	0.00	0.00	0.00	0.00	0.00	109213.81		
12	Providing and constructing load bearing wall with solid concrete blocks of size **400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum	Sqm	238.40	993.22	236783.65	238.40	993.22	236783.65	414.40	298.00	993.22	295979.56	116.40	993.22	115610.81	411590.37		174806.72	
13	Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum	Cum	25.33	5767.46	146089.76	25.33	5767.46	146089.76	44.03	31.66	5767.46	182597.78	12.37	5767.46	71343.48	253941.26		107851.50	
14	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in	Sqm	349.20	1820.56	635739.55	349.20	1820.56	635739.55	466.20	436.50	1820.56	794674.44	29.70	1820.56	54070.63	848745.07		213005.52	
	Sub Total				2431788.15			2431788.15								2431319.12	559525.60	559056.57	
	KRIDL Charges @ 10%				243178.82			243178.82								243131.91	55952.56	55905.66	
	Third Party Inspection Charges @ 1%				24317.88			24317.88								24313.19	5595.26	5590.57	
	Miscelaneous and unforgen charges	LS			715.00														
	Total				**2700000.00**			**2699285.00**								**2698764.00**	**621073.00**	**620553.00**	

0.02 %

Percentage Excess $\frac{\text{620553.00}}{\text{2699285.00}} \times 100$ = **22.99%**

Approved Tender Amount

SUMMARY:

1 **Estimated Cost : Rs. 27.00 Lakhs**

2 **Tender Cost : Rs. 26.99 Lakhs**

4 **Work Slip Amount Rs. 6,20,553.00 = 22.99 % of the Approved Amount**

5 **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 26.98 Lakhs which is 0.02% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Work slip approved

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

26/09